

Figure 6: Segments of the Passaic River where 2008 and 2007 multibeam bathymetry data were compared based on average depth in a 3 ft by 3 ft grid spacing.

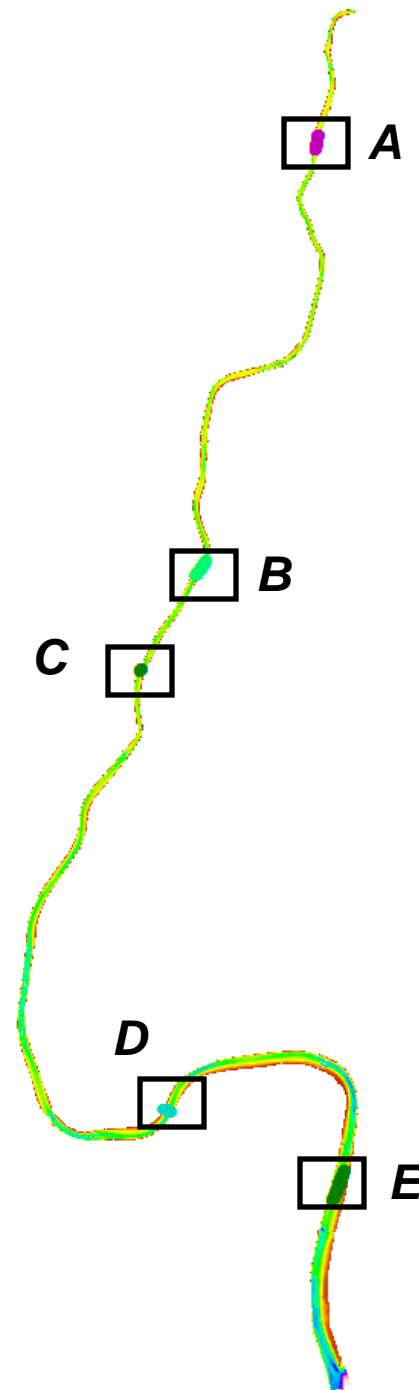
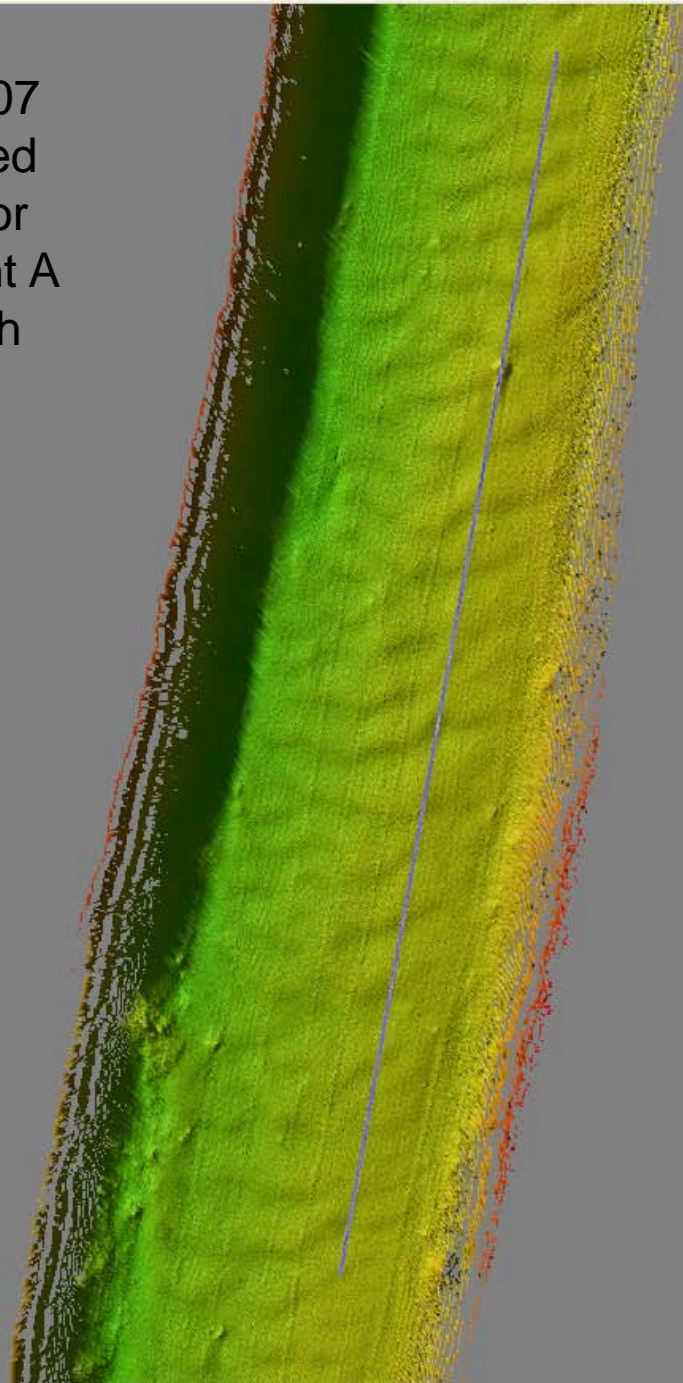
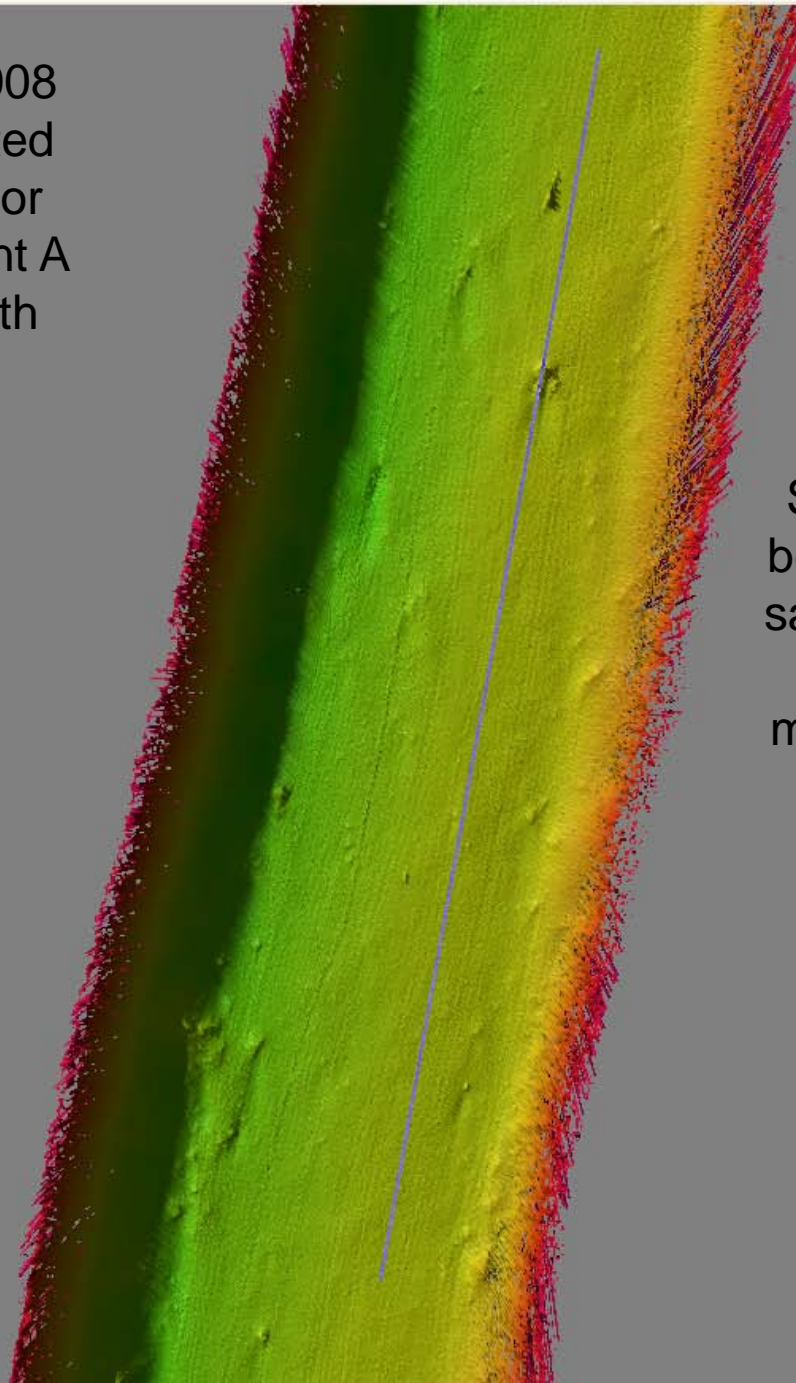


Figure 7a: 2007
Sun-illuminated
Bathymetry for
River Segment A
(RM13.6) with
transect



Sand waves
with some
mounds

Figure 7b: 2008
Sun-illuminated
bathymetry for
River Segment A
(RM13.6) with
transect



Smoother
bed with no
sand waves
but with
many more
mounds

N

S

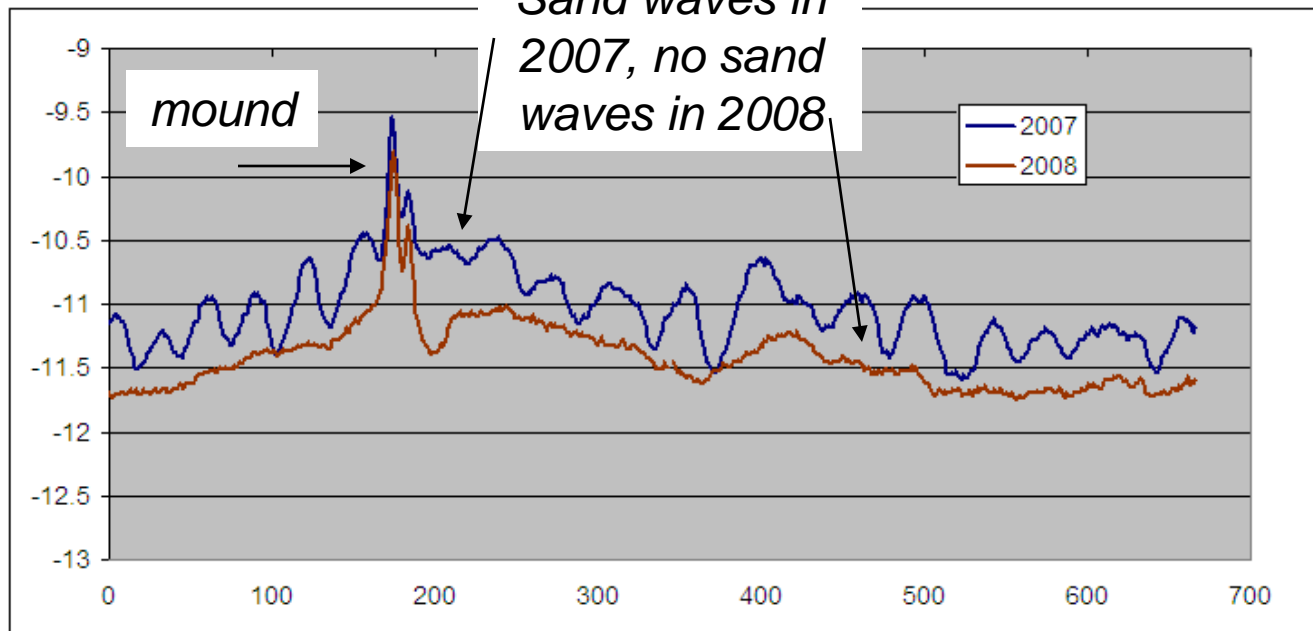
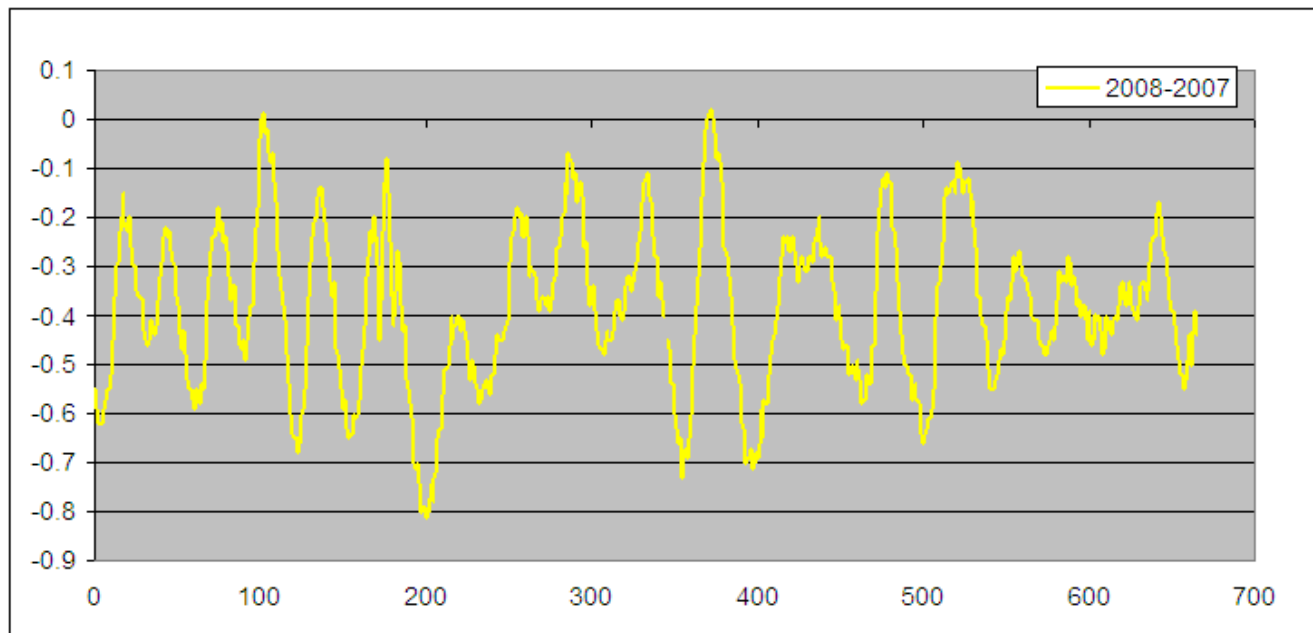


Figure 7c:

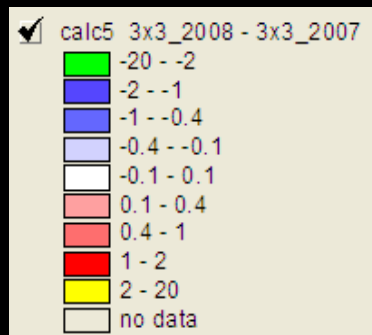
River Segment A
(RM13.6) Transect
bathymetry in 2007
and 2008 and
change
(2008-2007).

Depths (x-axis) and
Distances (y-axis) in
Feet



A

Figure 7d: Difference between 2007 and 2008 multibeam bathymetry (feet; negative deeper in 2008) for River Segment A (RM13.6) with transect location



*sand waves
were eroded
between 2007
and 2008
surveys*

Figure 8a: 2007
Sun-illuminated
bathymetry for
River Segment
B (RM9.75) with
transect

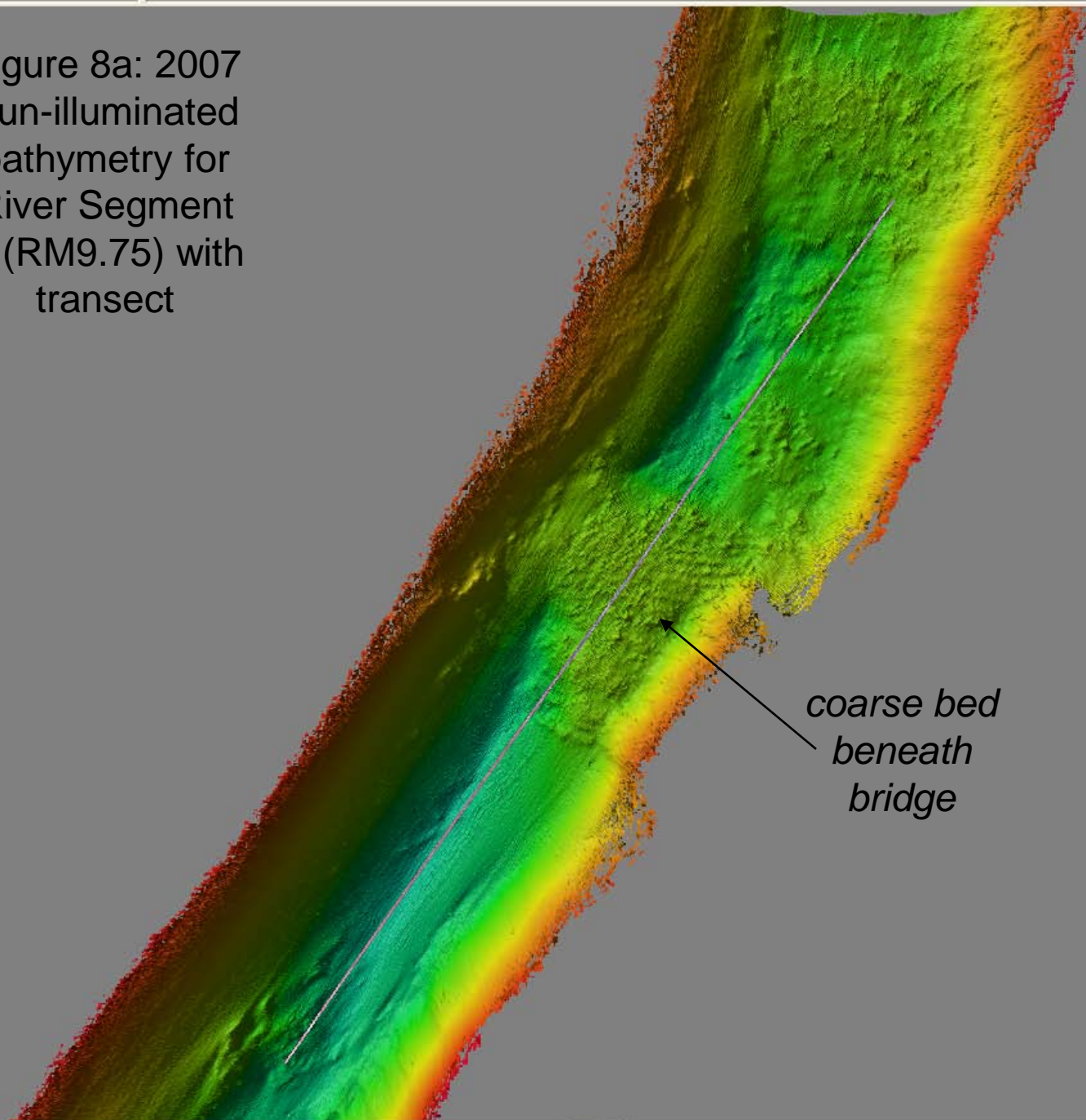
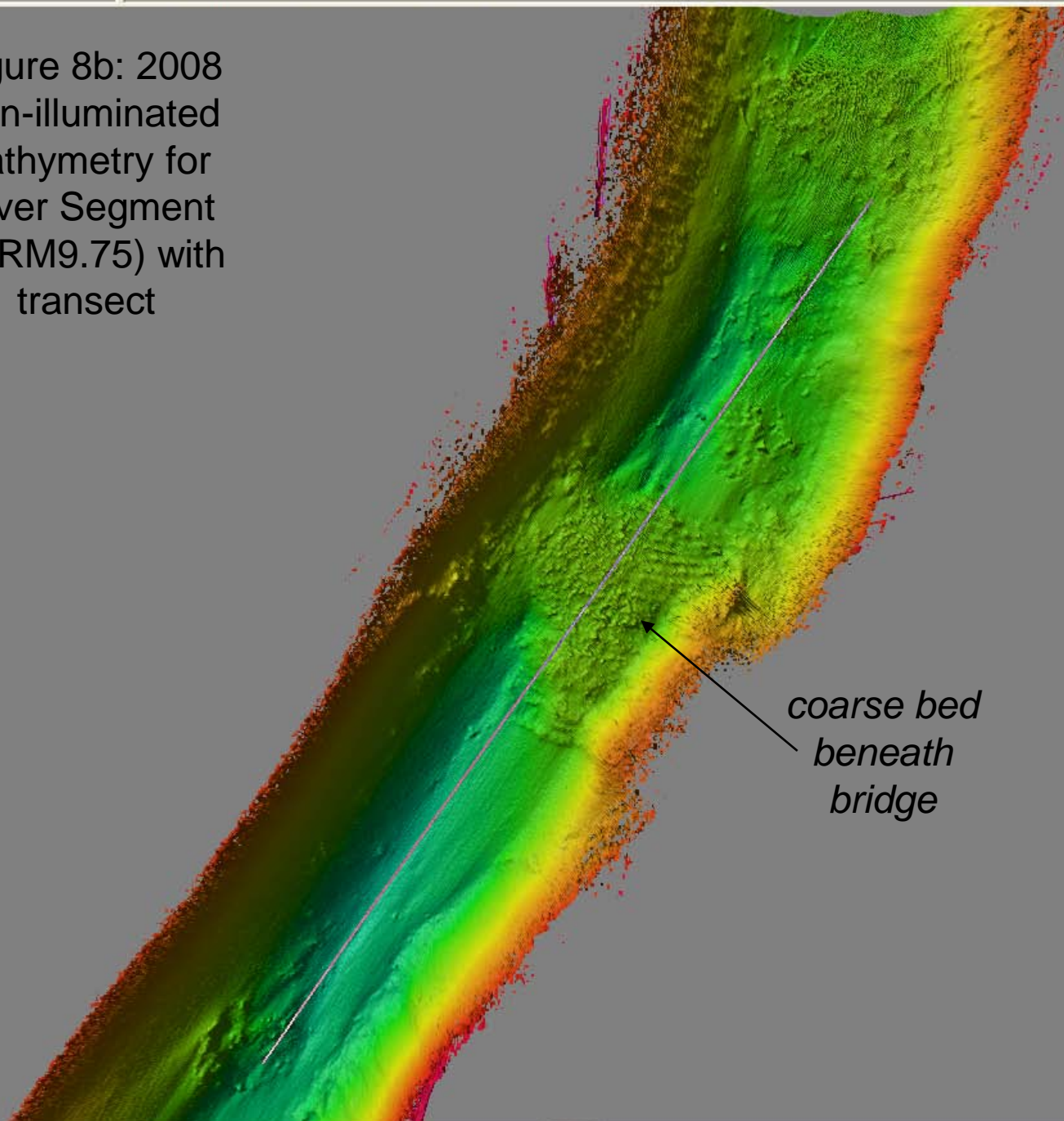
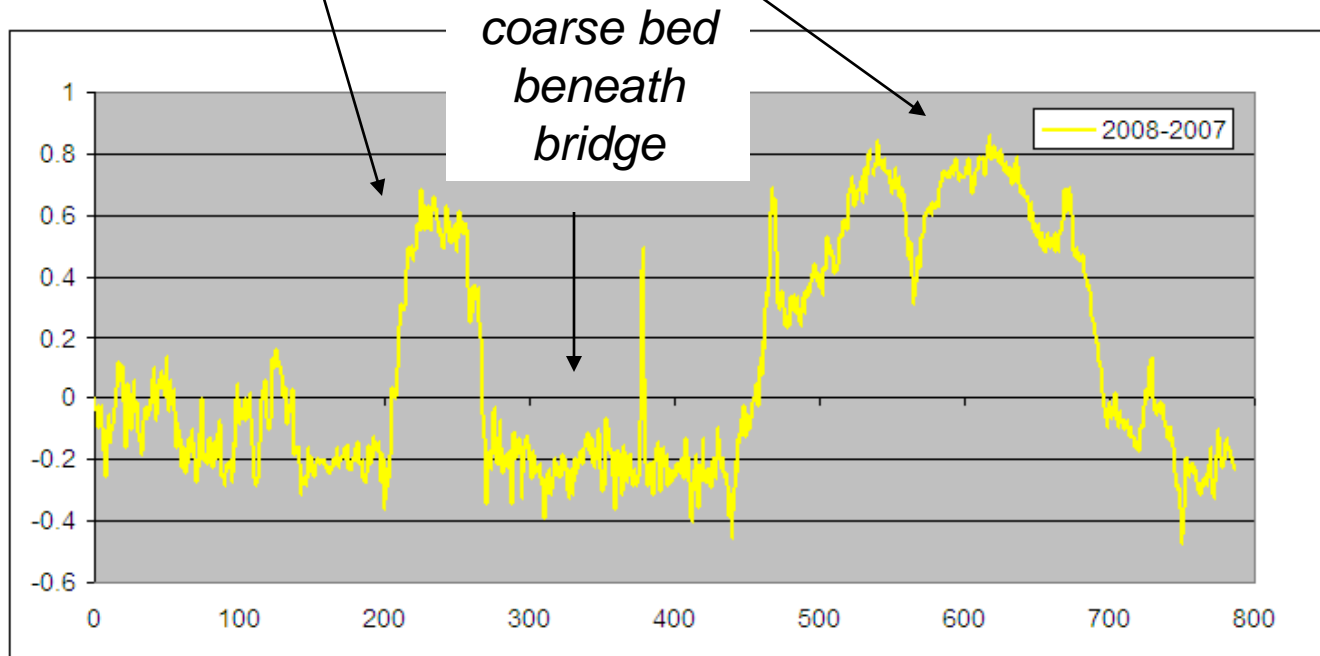
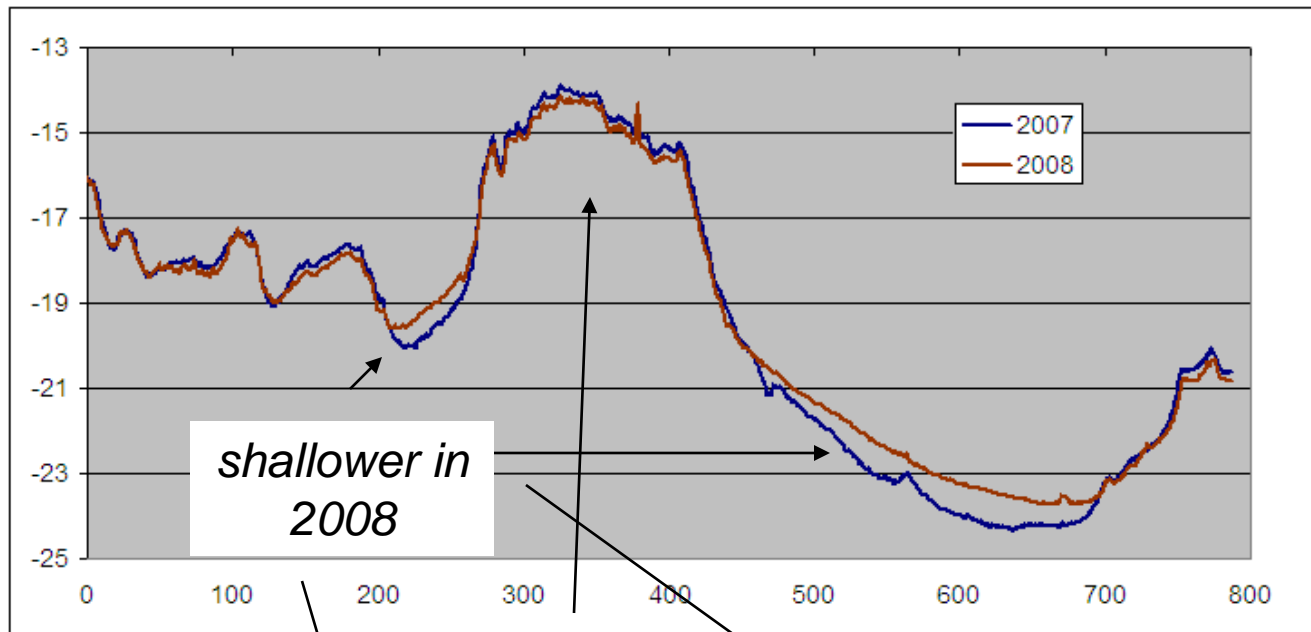


Figure 8b: 2008
Sun-illuminated
bathymetry for
River Segment
B (RM9.75) with
transect



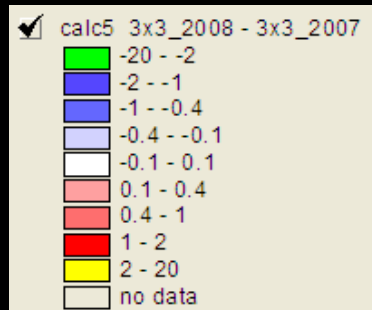
N

S



B

Figure 8d: Difference between 2007 and 2008 multibeam bathymetry (feet; negative deeper in 2008) for River Segment B (RM9.75) with transect location



*depressions on
either side of
bridge
shallower in
2008*

Figure 9a: 2007
Sun-illuminated
bathymetry for
River Segment
C (RM8.85)
with transect

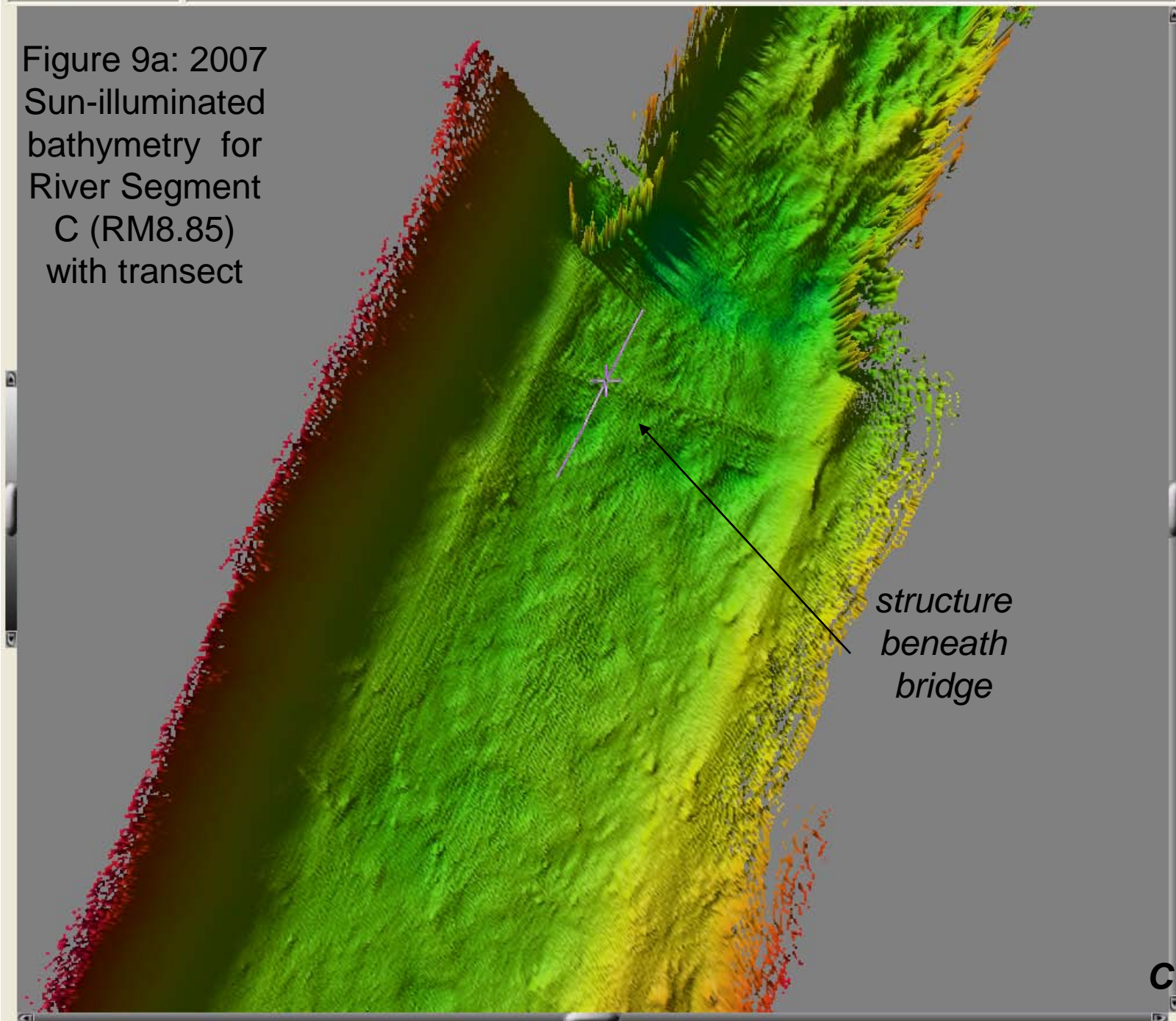
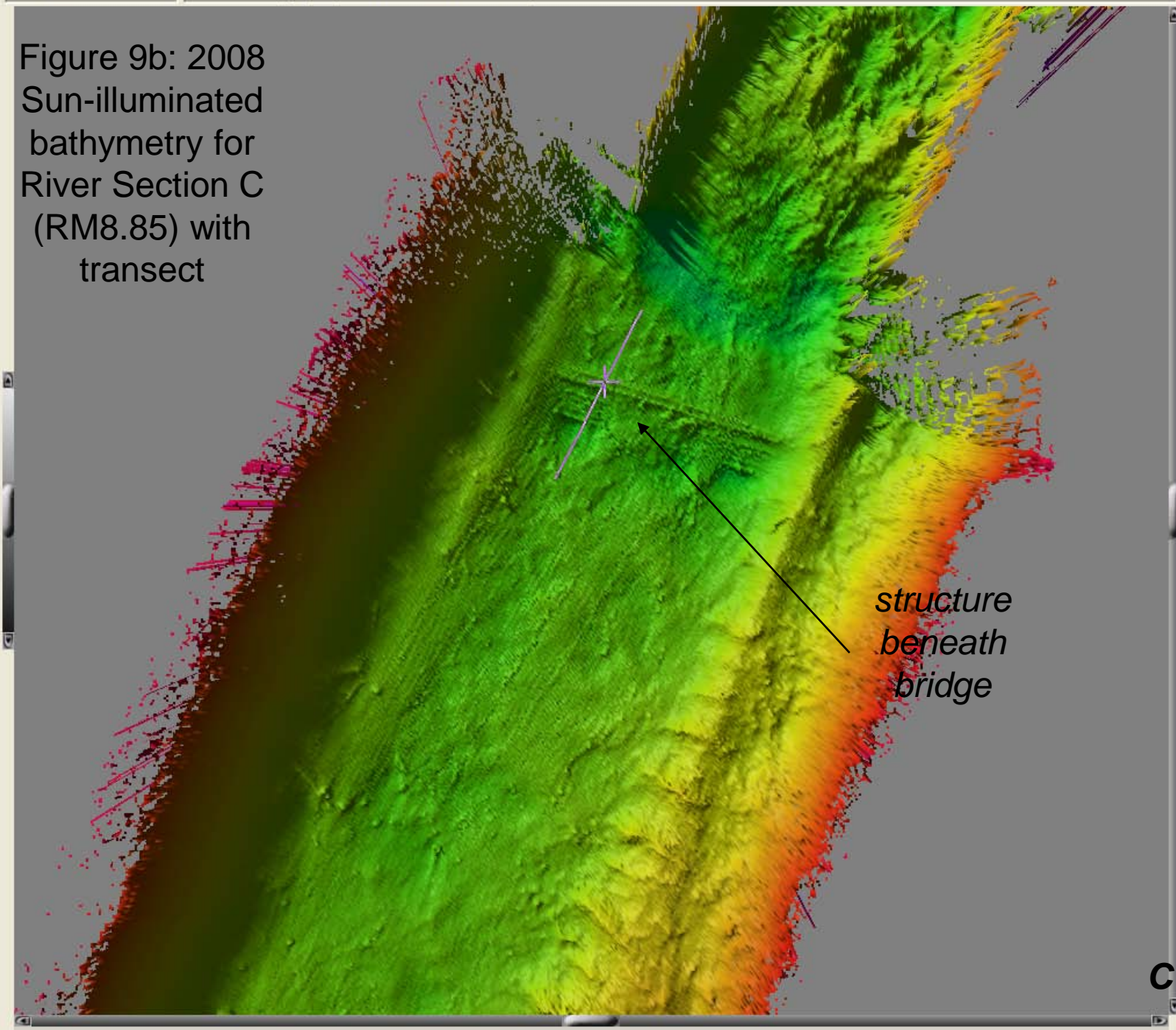


Figure 9b: 2008
Sun-illuminated
bathymetry for
River Section C
(RM8.85) with
transect



N

S

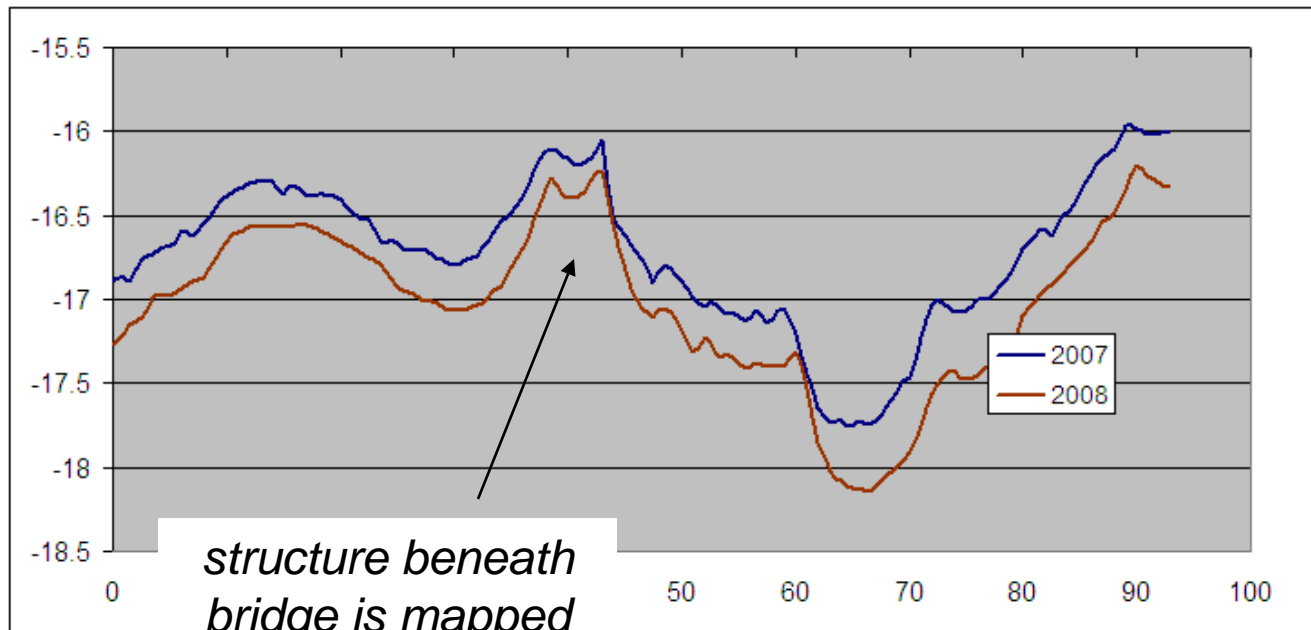
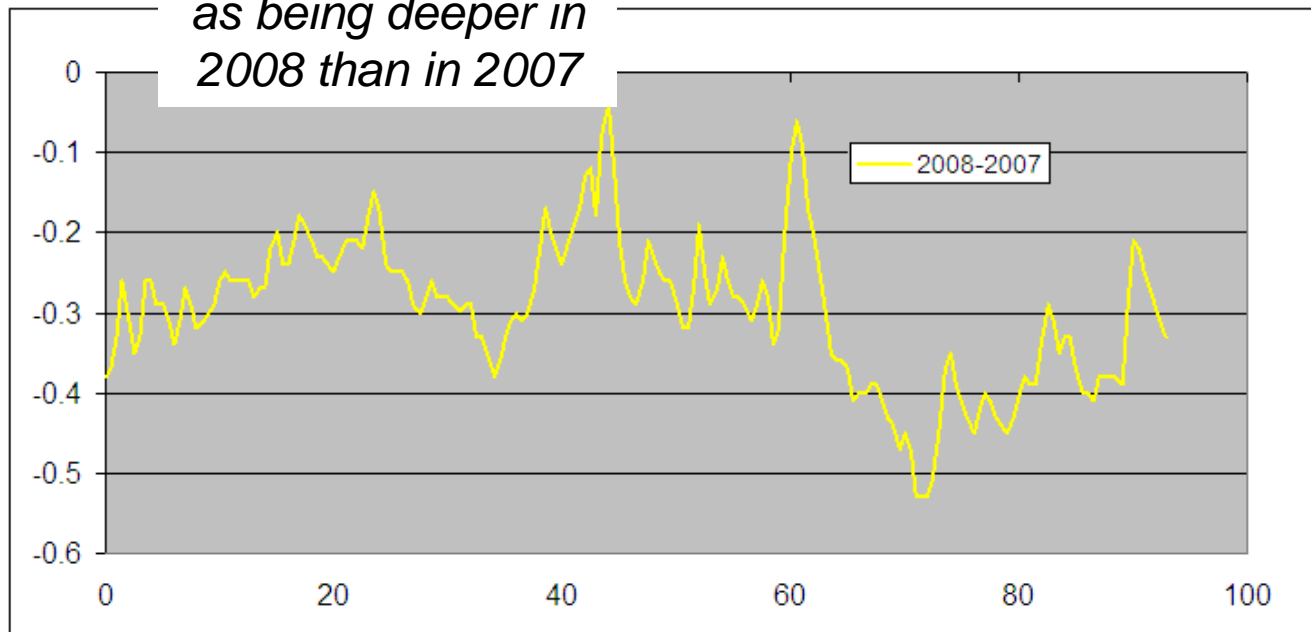


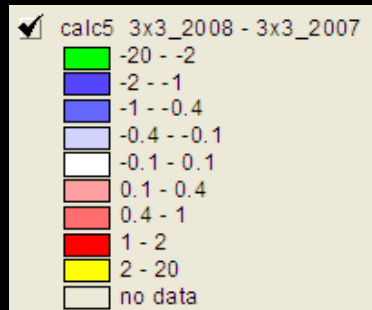
Figure 9c: River Segment C (RM8.85) Transect bathymetry in 2007 and 2008 and change (2008-2007).

Depths (x-axis) and Distances (y-axis) in Feet



C

Figure 9d: Difference between 2007 and 2008 multibeam bathymetry (feet; negative deeper in 2008) for River Segment C (RM8.85) with transect location



*structure
beneath
bridge*

Figure 10a:
2007 Sun-
illuminated
bathymetry for
River Segment
D (RM4.05) with
transect

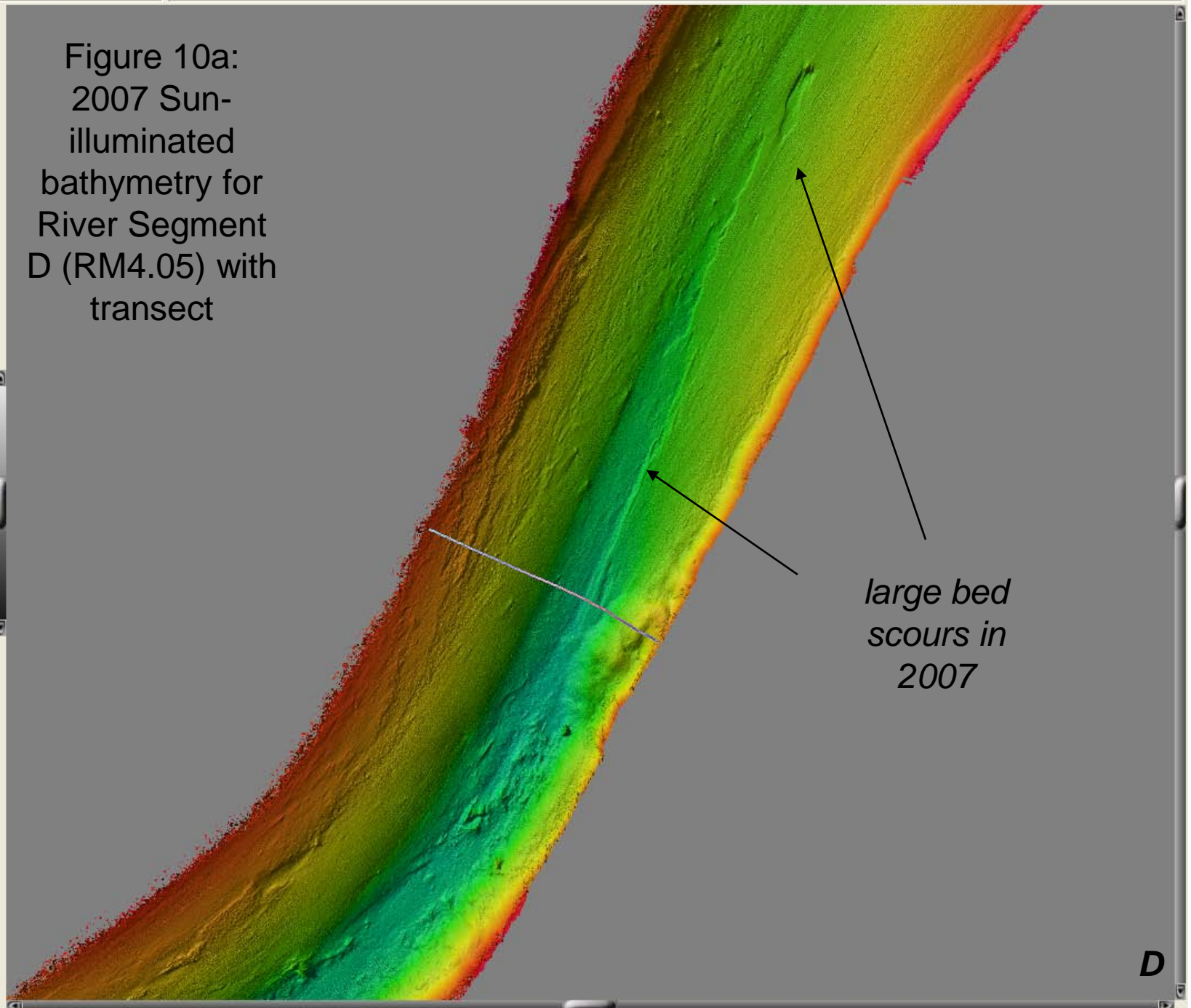
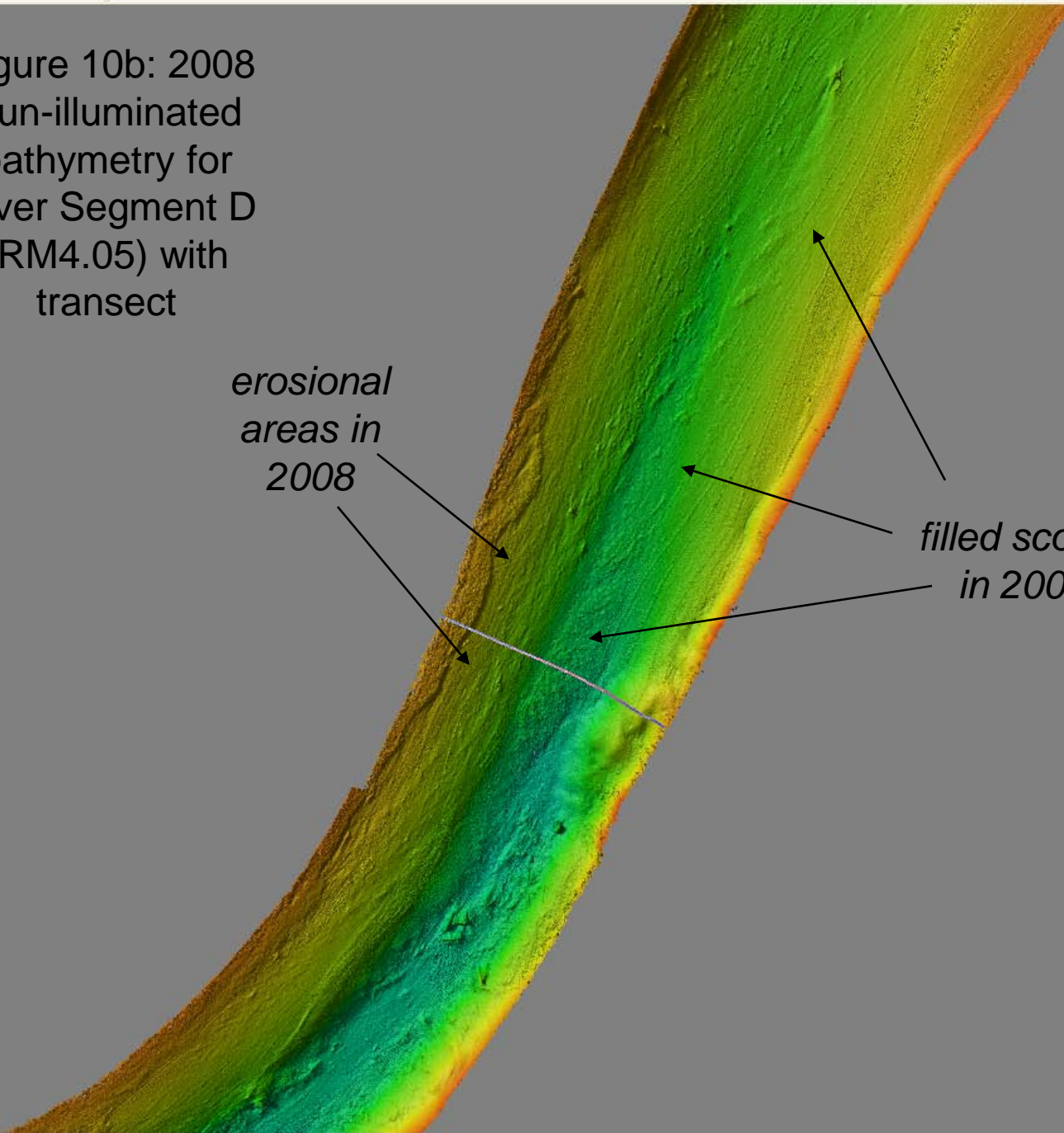


Figure 10b: 2008
Sun-illuminated
bathymetry for
River Segment D
(RM4.05) with
transect

*erosional
areas in
2008*

*filled scours
in 2008*

D



NW

SE

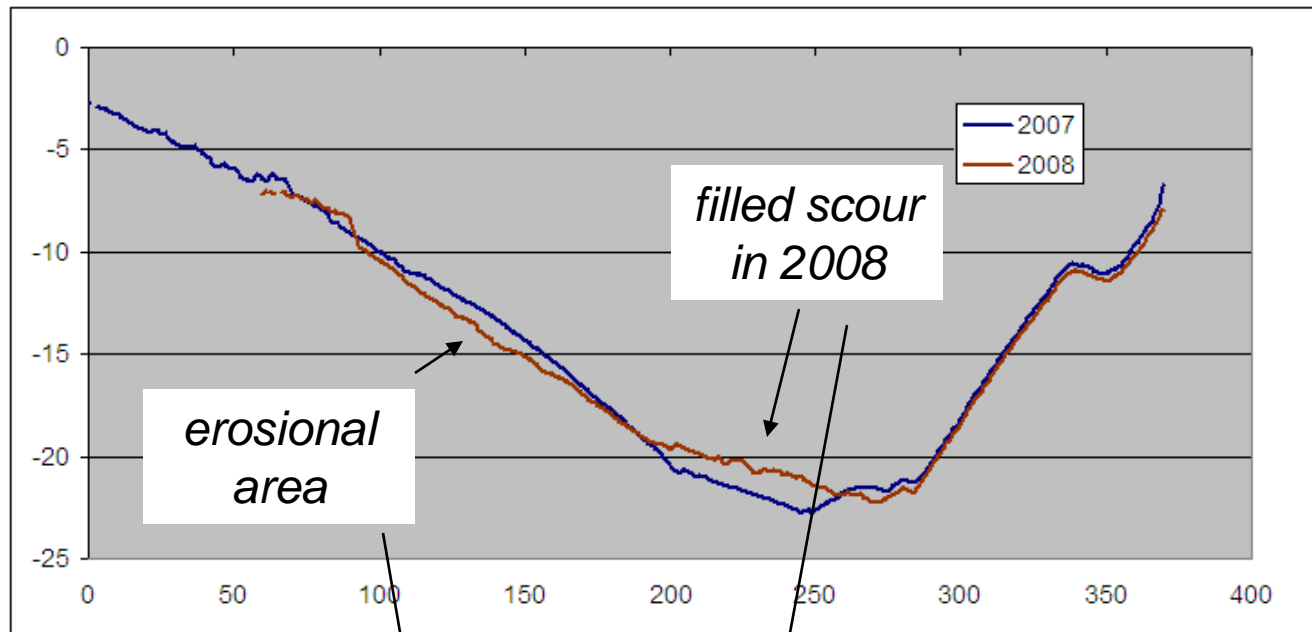


Figure 10c: River Segment D (RM4.05) Transect bathymetry in 2007 and 2008 and change (2008-2007).

Depths (x-axis) and Distances (y-axis) in Feet

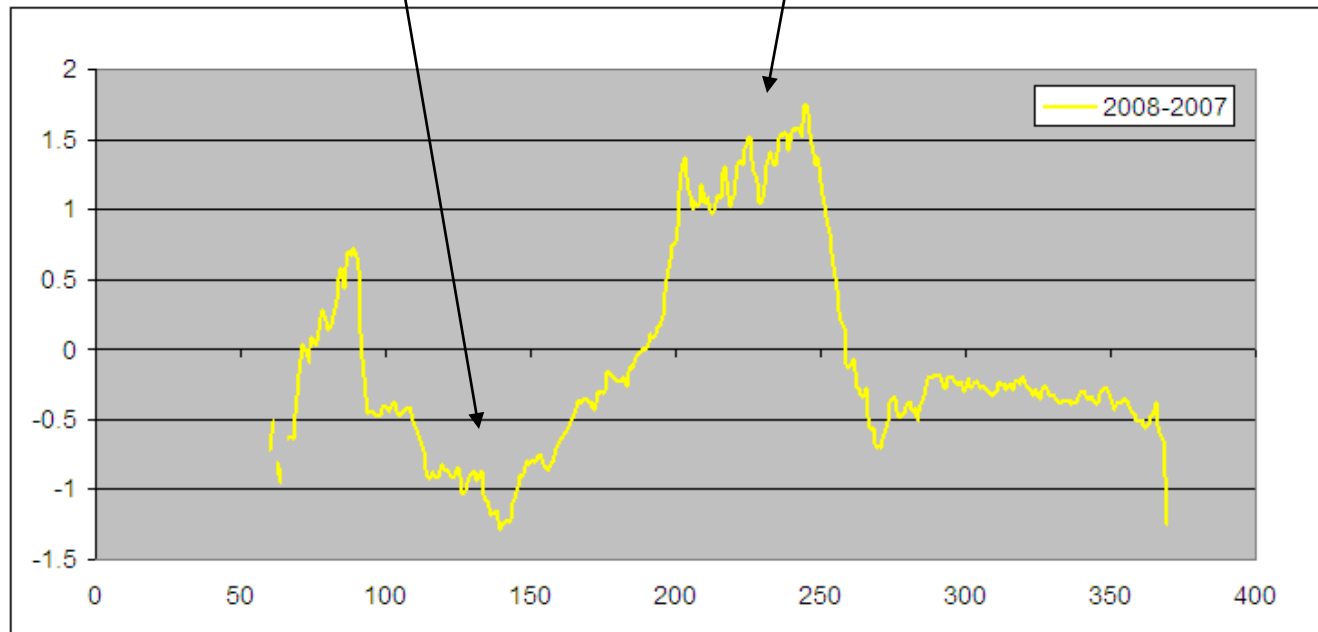
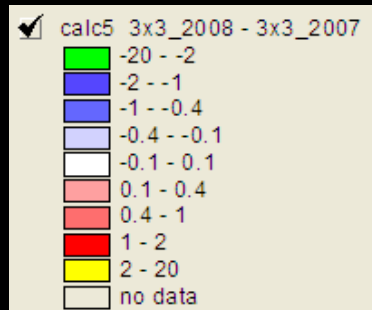
**D**

Figure 10d: Difference between 2007 and 2008 multibeam bathymetry (feet; negative deeper in 2008) for River Segment D (RM4.05) with transect location



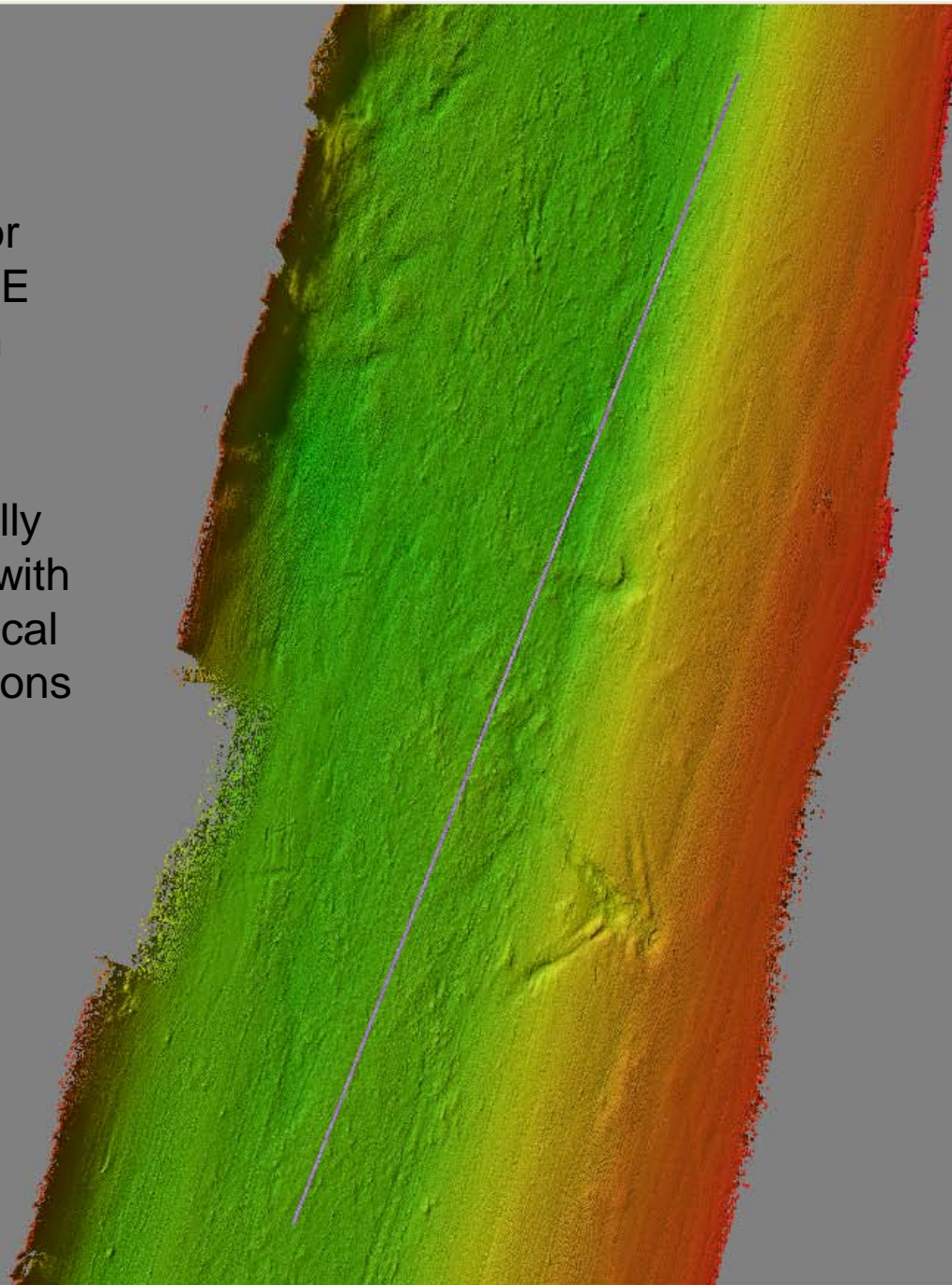
erosional area

*filled
scours in
2008*

D

Figure 11a:
2007 Sun-
illuminated
bathymetry for
River Section E
(RM1.6) with
transect

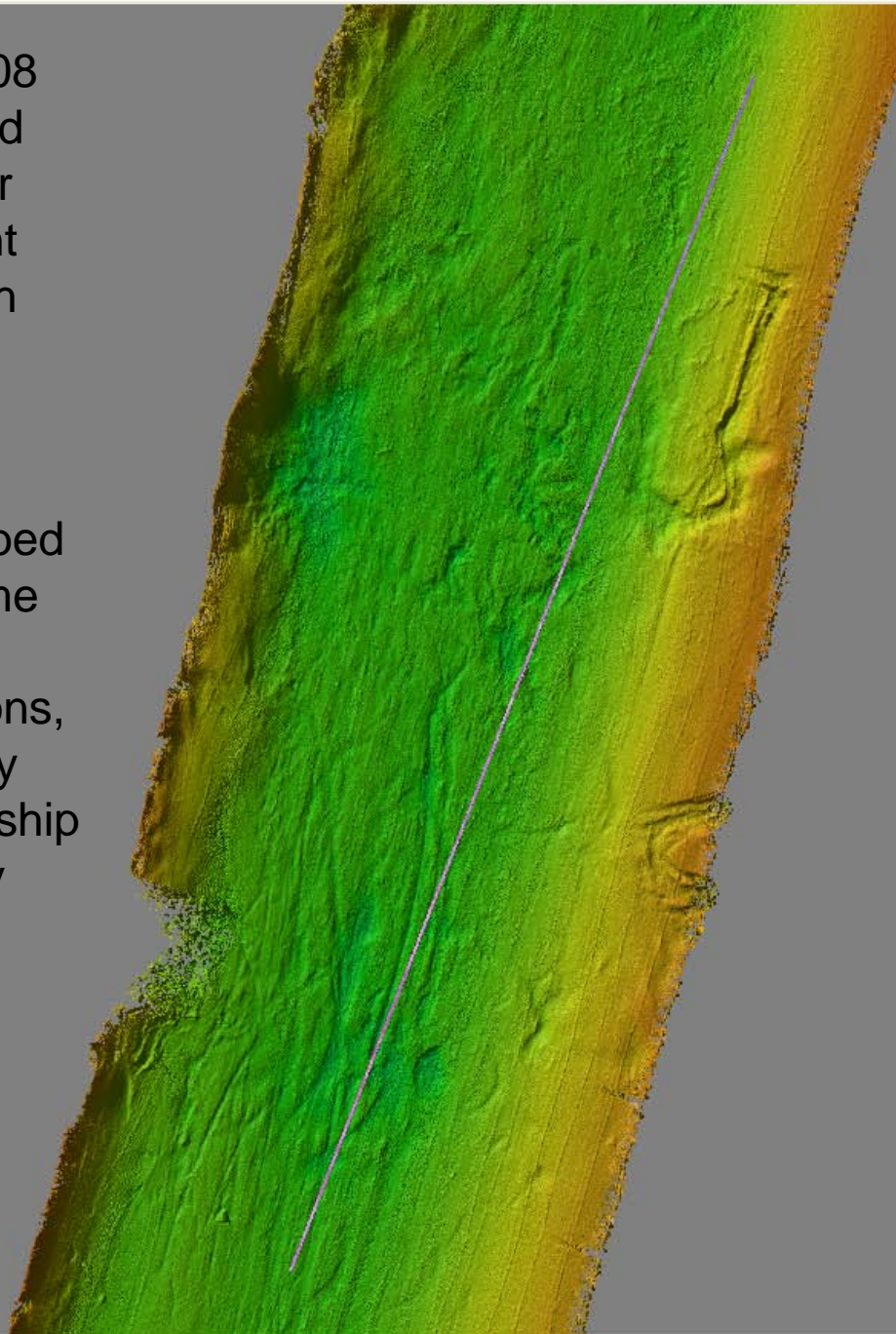
generally
smooth with
some local
depressions



E

Figure 11b: 2008
Sun-illuminated
bathymetry for
River Segment
E (RM1.6) with
transect

irregular bed
with some
local
depressions,
possibly
related to ship
activity



N

S

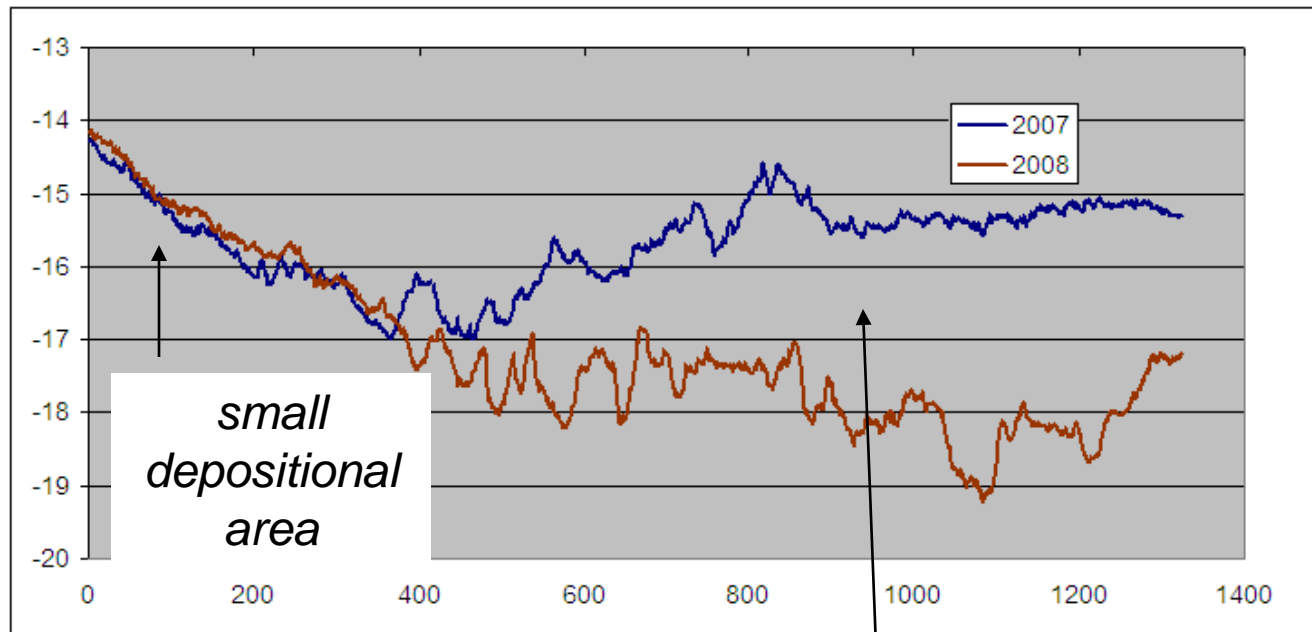
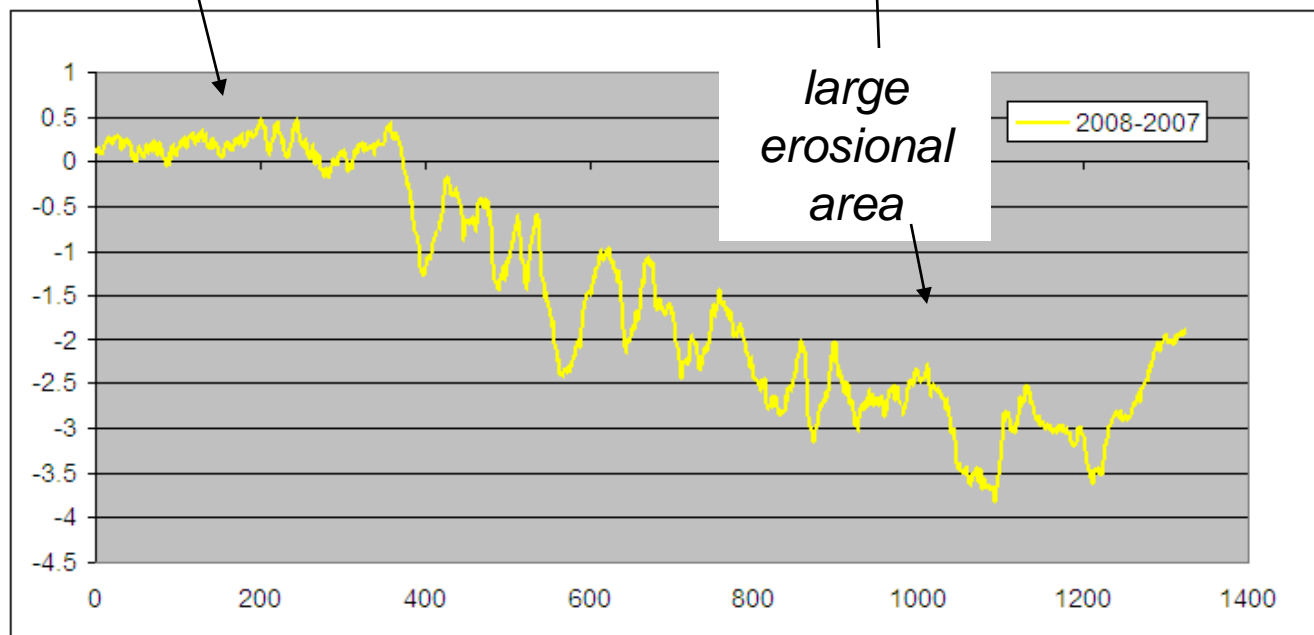


Figure 11c: River Segment E (RM1.6)
Transect bathymetry
in 2007 and 2008
and change
(2008-2007).

Depths (x-axis) and
Distances (y-axis) in
Feet



E

Figure 11d: Difference between 2007 and 2008 multibeam bathymetry (feet; negative deeper in 2008) for River Segment E (RM1.6) with transect location

